Course : Autodesk Revit, advanced

Practical course - 4d - 28h00 - Ref. ARV
Price : 1650 € E.T.

★★★★½   4,4 / 5

This training course will introduce you to the latest enhancements in Autodesk Revit. Among other things, you'll learn how to customize the interface and parameters, master advanced modeling, multidisciplinary coordination, detailed documentation, performance optimization and task automation.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ 3D modeling of building components
- ✓ Manage families, types, occurrences and properties
- ✓ Creating bills of material
- ✓ Modeling topographic surfaces
- ✓ Participate in a Building Information Modeling (BIM) project with sub-projects

Intended audience

Architecture, engineering, interior design or construction professionals with previous experience of Autodesk Revit.

Prerequisites

Good knowledge of Revit

Course schedule

1   Overview of new features and enhancements in Revit

- Improved user interface.
- New modeling features.
- Improved documentation tools.
- Increased collaboration and coordination.

Hands-on work
Configure the user interface according to personal preferences.

PARTICIPANTS
Architecture, engineering, interior design or construction professionals with previous experience of Autodesk Revit.

PREREQUISITES
Good knowledge of Revit

TRAINER QUALIFICATIONS
The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS
The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

2   Customize interface and settings

- User interface customization.
- Configuration of project parameters.
- Use of templates and customized families.
- Create a new project template with specific parameters.

Hands-on work
Configure the user interface and create a project template with customized parameters.

3   Advanced parametric modeling

- Use of complex parametric families.
- Creation of adaptive families.
- Advanced modeling techniques.

Hands-on work
Create a nested family and a host family.

4   Coordination of multidisciplinary projects

- Collaboration between architects and engineers.
- Use of model coordination tools.
- Managing conflicts and incompatibilities.

Hands-on work
Coordinate architectural, structural and HVAC MEP models to detect conflicts.

5   Detailed documentation and annotations

- Create views and drawing sheets.
- Using annotations and tags.
- Creation of bills of materials and quantity lists.

Hands-on work
Create detailed views and annotated drawing sheets.

6   Advanced visualization and rendering

- Use of visual styles and materials.
- Lighting and rendering techniques.
- Creating realistic renderings with Autodesk Raytracer.

Hands-on work
Create a photorealistic rendering scene and virtual tour

7   Optimizing project performance

- Visibility parameter management.
- Using links and groups.
- Conflict detection and resolution techniques.

Hands-on work
Create sample Dynamo scripts.

(8) **Automation of repetitive tasks**

- Use of tables and schedules.
- Scripting with Dynamo.
- Introduction to the Revit API.
- Optimize project visibility using specific parameters.
- Automate table and schedule creation.

Hands-on work
Use Dynamo to automate a specific task.

Dates and locations

REMOTE CLASS
2026 : 16 June, 1 Dec.

PARIS LA DÉFENSE
2026 : 9 June, 24 Nov.